

**Remarks**

Claims 2-48 are pending in this application. Claims 2-48 stand rejected.

Claims 2, 8-15, 17, 22-23, 25-27, 33-39, 41, and 45-47 were rejected under 35 U.S.C. §102(e) as anticipated by U.S. Patent No. 7,260,624 to Sivertsen. Claims 3-4 and 28-29 stand rejected under 35 U.S.C. §103(a) as obvious over Sivertsen in light of U.S. Patent No. 7,003,563 to Leigh. Claims 5 and 30 stand rejected under 35 U.S.C. §103(a) as obvious over Sivertsen in light of U.S. Patent Publication No. 2002/0198978 to Watkins. Claims 6-7 and 31-32 stand rejected under 35 U.S.C. §103(a) as obvious over Sivertsen in light of U.S. Patent Publication No. 2003/0084056 to DeAnna. Claims 16, 18-19, 21, 40, and 42-44 stand rejected under 35 U.S.C. §103(a) as obvious over Sivertsen in light of U.S. Patent Publication No. 2004/0042547 to Coleman. Claims 24 and 48 stand rejected under 35 U.S.C. §103(a) as obvious over Sivertsen in light of U.S. Patent Publication No. 2003/0055922 to Kim.

The Examiner objected to several informalities in claims 29-31, 33-35, 37-38. These claims have been amended to correct the objected to informalities. Further, claims 2-3, 7, 10-11, 25-38, and 48 have all been amended to more particularly point out the Applicants' invention and/or correct informalities. Support for these amendments may be found in the specification at least at page 12, lines 5-25 and in Fig. 1. Claims 2 and 25 are in independent form.

Applicants have carefully considered the positions of the Examiner, amended the claims accordingly, and respectfully submit that claims 2-48 are in condition for examination and allowance. The present invention is directed to a remote management system comprising a computer workstation that includes a keyboard, cursor control device, such as, a mouse, and a video display. The system also includes at least one remote device that includes a keyboard, a

video, and a mouse (KVM) interface and at least one remote serial device that includes a serial user interface. The system is controlled by a remote management unit coupled to the user workstation on one side and at least one remote device and one remote serial device on the other. The system further includes first communication means for providing bi-directional communication between the remote management unit and the user workstation. The system also includes second communication means for providing bi-directional communication between the remote management unit and at least one remote device and at least one remote serial device. The remote management unit enables a user at the workstation to switch the second communications means *i.e.*, connecting between the remote management unit and the (KVM) interface of at least one remote device or the serial user interface of at least one remote serial device. As claimed, the present invention allows the remote management unit to be connected to standalone serial devices, such as routers and printers, at the same time it is connected to servers with KVM interfaces. In this way, the remote management unit is able to switch communications between the workstation and a device with a serial interface or a device with a KVM interface.

In contrast, Sivertsen teaches an interface device for providing remote management and viewing of a local computer by a remote computer, by transferring frames of video from the local computer to the remote computer. Further, Siversten discloses a system where the local computer (*i.e.*, server) can access a USB device of the remote computer (*i.e.*, a CD-ROM or other serial device installed in the workstation) via network connection 118, such that when a user on the remote computer is accessing the local computer, he can control that remote serial device as if it were connected to the local computer. Siversten does not, however, teach or disclose a system where the remote management unit is simultaneously connected to separate

serial devices and servers simultaneously. Indeed, the interface device 110 of Siversten connects to only a single local device (server) and does not connect to multiple remote devices. Siversten further does not teach or disclose a system where the remote management unit can switch between communicating with the KVM interface of a remote computer device (server) or the serial user interface of a remote serial device. Accordingly, Siverstien does not anticipate claims 2, 8-15, 17, 22-23, 25-27, 33-39, 41, and 45-47.

Leigh, et al., teaches the remote management of a large number of servers by means of a bus system that selectively couples one server to one remote management unit at a time. Leigh however, also fails to disclose a remote management system capable of switching between devices with serial interface connections and devices with KVM connections.

Watkins teaches a system utilizing a remote control unit to remotely control and monitor remote devices and data. Watkins fails to teach or disclose, however, a remote management unit that simultaneously connects to devices with serial interfaces and devices with KVM interfaces, and the ability to switch the communications path from between the remote management unit and the serial device or the KVM device.

DeAnna teaches a lightweight application server for use on portable or embedded devices that includes an application manager and services containers. It does not teach a remote management unit simultaneously connected to serial and KVM devices with the ability to switch seamlessly between the two.

Coleman teaches a method and apparatus for digitizing and compressing video signals for transmission between a remotely located computer and a host or local computer. The digitization and compression method and apparatus is capable of dividing the frame buffers into

cells and comparing image data from previously captured frame buffers to create synchronized video signals and transmit the video signals over an extended range by limiting the portions of the transmission bandwidth of pixel data transferred between the remote computer and the local computer. Nothing in Coleman teaches the limitations of the present invention.

Finally, Kim, fails to teach a remote management unit simultaneously connected to serial and KVM devices with the ability to switch between the two.

None of the art of record teaches a system that combines both serial access and KVM access into a single remote management unit and allows a user to switch between controlling a serial device such as a router or certain power supplies and a KVM device such as the majority of servers. For at least these reasons, it is believed clear that Claim 2 is allowable over the cited references. Independent 25 contains similar limitations as those recited in Claim 2. Accordingly, it is believed that Claim 25 is allowable over the art of record for at least the same reasons set forth above with respect to Claim 2.

The other claims in this application are each dependent from one or another of the independent claims discussed above and are therefore believed patentable for at least the same reasons. Because each dependent claim is also deemed to define an additional aspect of the invention, however, the individual consideration or reconsideration, as the case maybe, of the patentability of each on its own merits is respectfully requested.

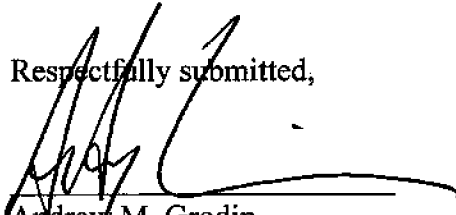
In view of the foregoing amendments and remarks, Applicants respectfully requests favorable reconsideration and allowance of the present application. No fee is believed due by this amendment. If, however, there are any unresolved issues or fees, it is requested that the Examiner contact Applicants' representative via telephone so that such issues can be quickly

resolved. If there are any fees due the Examiner is hereby authorized to charge Deposit Account No. 03-3839 for any required fees.

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Date: July 7, 2008

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